



Water-Data Report CA-2005

354702116120601 AMARGOSA RIVER BELOW WILLOW CREEK, NEAR TECOPA, CA

Upper Amargosa Basin

LOCATION.--Lat 35°47'02", long 116°12'06" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.35, T.20 N., R.7 E., San Bernardino County, Hydrologic Unit 18090202, 4.16 mi south of Tecopa, and 36.5 mi north of Baker.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2004 to March 2005 (discontinued).

CHEMICAL DATA: Water years 2004 to March 2005 (discontinued).

SEDIMENT DATA: Water years 2004 to March 2005 (discontinued).

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 1 of 10

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Calcium unfltrd recover, mg/L (00916)	Magnesium, water, fltrd, mg/L (00925)
Mar 16...	1145	4.1	9.7	736	7.1	75	8.7	3,680	16.0	380	62.1	65.1	53.4

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 2 of 10

[Remark codes: <, less than; E, estimated.]

Date	Magnesium, water, unfltrd recover, mg/L (00927)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat fltrd inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat fltrd incrm. titr., field, mg/L (00453)	Carbonate, wat fltrd incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)
Mar 16...	51.5	43.1	17	759	79	632	673	48	337	4.0	54.6	844	2,550

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 3 of 10

[Remark codes: <, less than; E, estimated.]

Date	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Alum- inum, water, fltrd, ug/L (01106)	Alum- inum, water, recover -able, ug/L (01105)	Anti- mony, water, fltrd, ug/L (01095)	Anti- mony, water, unfltrd ug/L (01097)	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Beryll- ium, water, fltrd, ug/L (01010)
Mar 16...	2,550	.35	.004	.001	.180	.236	<5	325	.59	.6	170	178	<.12

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 4 of 10

[Remark codes: <, less than; E, estimated.]

Date	Beryll- ium, water, unfltrd recover -able, ug/L (01012)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, fltrd, ug/L (01030)	Chrom- ium, water, recover -able, ug/L (01034)	Cobalt water, fltrd, ug/L (01035)	Cobalt water, recover -able, ug/L (01037)	Copper, water, fltrd, ug/L (01040)	Copper, water, recover -able, ug/L (01042)	Iron, water, fltrd, ug/L (01046)	Iron, water, recover -able, ug/L (01045)	Lead, water, fltrd, ug/L (01049)
Mar 16...	<.12	8,390	.14	.17	E.4	E.6	.370	.800	3.2	14.8	30	350	.22

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 5 of 10

[Remark codes: <, less than; E, estimated.]

Date	Lead, water, unfltrd recover -able, ug/L (01051)	Mangan- ese, water, recover -able, ug/L (01056)	Mangan- ese, water, unfltrd recover -able, ug/L (01055)	Mercury water, fltrd, ug/L (71890)	Mercury water, recover -able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Molyb- denum, water, recover -able, ug/L (01062)	Nickel, water, fltrd, ug/L (01065)	Nickel, water, recover -able, ug/L (01067)	Selen- ium, water, fltrd, ug/L (01145)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, fltrd, ug/L (01075)	Silver, water, unfltrd recover -able, ug/L (01077)
Mar 16...	.60	153	175	E.01	E.01	57.5	57.7	1.52	2.75	1.4	1.9	<.6	<.32

354702116120601 AMARGOSA RIVER BELOW WILLOW CREEK, NEAR TECOPA, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 6 of 10

[Remark codes: <, less than; E, estimated.]

Date	Thallium, water, fltrd, ug/L (01057)	Thallium, water, unfltrd, ug/L (01059)	Vanadium, water, fltrd, ug/L (01085)	Vanadium, water, unfltrd, ug/L (01087)	Zinc, water, fltrd, ug/L (01090)	Zinc, water, unfltrd, recover-able, ug/L (01092)	Deuterium/Protium ratio, unfltrd, per mil (82082)	Gross alpha radioac water, unfltrd, Th-230, pCi/L (63018)	Gross beta radioac water, unfltrd, Cs-137, pCi/L (03519)	O-18 / O-16 ratio, unfltrd, per mil (82085)	Ra-226, water, unfltrd, pCi/L (09501)	Tritium 2-sigma water, unfltrd, pCi/L (75985)	Tritium water, unfltrd, pCi/L (07000)
Mar 16...	E.06	<.4	13.2	9.26	2.8	4	-90.10	30	64	-11.64	.051	.64	1.7

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 7 of 10

[Remark codes: <, less than; E, estimated.]

Date	Calcium bed sed <62.5um wet svd field, total, percent (34830)	Magnesium, bed sed <62.5um wet svd fld,tot, percent (34900)	Potassium, bed sed <62.5um wet svd fld,tot, percent (34940)	Sodium, bed sed <62.5um wet svd field, total, percent (34960)	Sulfur, bed sed <62.5um wet svd field, total, percent (34970)	Phosphorus, bed sed <62.5um wet svd fld,tot, percent (34935)	Total carbon, sedimnt wsv nat field, percent (49267)	Inorganic carbon, bed sed <62.5um wsv nat field, percent (49269)	Organic carbon, bed sed <62.5um wsv nat field, percent (49266)	Aluminum, bed sed <62.5um fld,tot, percent (34790)	Antimony, bed sed <62.5um fld,tot, ug/g (34795)	Arsenic, bed sed <62.5um wet svd field, total, ug/g (34800)	Barium, bed sed <62.5um wet svd field, total, ug/g (34805)
Mar 16...	3.5	.980	3.0	2.0	<.05	.063	1.0	.93	.09	6.0	.7	12	790

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 8 of 10

[Remark codes: <, less than; E, estimated.]

Date	Beryllium, bed sed <62.5um wet svd fld,tot, ug/g (34810)	Bismuth, bed sed <177um wet svd field, total, ug/g (34816)	Cadmium, bed sed <62.5um wet svd field, total, ug/g (34825)	Cerium, bed sed <62.5um wet svd field, total, ug/g (34835)	Chromium, bed sed <62.5um wet svd fld,tot, ug/g (34840)	Cobalt, bed sed <62.5um wet svd field, total, ug/g (34845)	Copper, bed sed <62.5um wet svd field, total, ug/g (34850)	Europium, bed sed <62.5um wet svd fld,tot, ug/g (34855)	Gallium, bed sed <62.5um wet svd field, total, ug/g (34860)	Gold, bed sed <62.5um wet svd field, total, ug/g (34870)	Holmium, bed sed <62.5um wet svd field, total, ug/g (34875)	Iron, bed sed <62.5um wet svd field, total, percent (34880)	Lanthanum, bed sed <62.5um wet svd fld,tot, ug/g (34885)
Mar 16...	2.0	<1	.1	76	21	6	10	1	13	<1	<1	1.7	40

354702116120601 AMARGOSA RIVER BELOW WILLOW CREEK, NEAR TECOPA, CA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 9 of 10

[Remark codes: <, less than; E, estimated.]

Date	Lead, bed sed <62.5um wet svd field, total, ug/g (34890)	Lithium bed sed <62.5um wet svd field, total, ug/g (34895)	Mangan- ese, bed sed <62.5um wet svd fld,tot ug/g (34905)	Mercury bed sed <62.5um wet svd field, total, ug/g (34910)	Molyb- denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	Neodym- ium, bed sed <62.5um wet svd fld,tot ug/g (34920)	Nickel, bed sed <62.5um wet svd field, total, ug/g (34925)	Niobium bed sed <62.5um wet svd field, total, ug/g (34930)	Scand- ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	Selen- ium, bed sed <62.5um wet svd fld,tot ug/g (34950)	Silver, bed sed <62.5um wet svd field, total, ug/g (34955)	Stront- ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	Tant- alum, bed sed <62.5um wet svd fld,tot ug/g (34975)
Mar 16...	28	33	490	<.02	2.1	33	9	15	6	<.1	.2	560	<1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Part 10 of 10

[Remark codes: <, less than; E, estimated.]

Date	Thall- ium, bed sed <62.5um dry svd total, ug/g (04064)	Thorium bed sed <62.5um wet svd field, total, ug/g (34980)	Tin, bed sed <62.5um wet svd field, total, ug/g (34985)	Titan- ium, bed sed <62.5um wsv nat rec, percent (49274)	Vanad- ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	Ytterb- ium, bed sed <62.5um wet svd fld,tot ug/g (35015)	Yttrium bed sed <62.5um wet svd field, total, ug/g (35010)	Zinc, bed sed <62.5um wet svd field, total, ug/g (35020)	Uranium bed sed <62.5um wet svd field, total, ug/g (35000)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
Mar 16...	<1	10	2	.240	43	2	16	51	2.7	46	.51